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ABSTRACT

Since its inception in 1965, the Illinois Research Coordinating Unit (RCU) has continued to be involved in innovative activities for measured change in vocational education. The use of ancillary monies for contractual research and development activities has been the major thrust of the unit. The Illinois RCU has played a significant role in leadership development through the implementation of broad state interagency planning, the development of an Educational Professions Development Act (EPDA) leadership program, and through the development of a state plan for the administration of vocational and technical education. This role of change agent has had considerable impact on vocational education by encouraging, stimulating, and implementing new programs. The RCU staff has been and continues to be in the forefront of the development of a new breed of "Vocational Engineers." In the future the Unit will continue to enter into contracts for the establishment of programs in the areas of research, experimental, developmental, and exemplary activities. (Author)

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CONTINUATION OF THE OCCUPATIONAL RESEARCH AND DEVELOPMENT UNIT FOR THE STATE OF ILLINOIS

Robert Kent Gray
Coordinator

Vocational and Technical Education Division
Board of Vocational Education and Rehabilitation

Ray Page, Executive Officer

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405 Centennial Building
Springfield, Illinois 62706

September, 1969

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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The educational research and development activities reported herein were performed pursuant to a contract with the Office of Education, U. S. Department of Health, Education, and Welfare. Contractors undertaking such projects under government sponsorship are encouraged to express freely their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, necessarily represent official Office of Education position or policy.

U. S. DEPARTMENT OF
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Summary

Since the inception in 1965, the Illinois Research Coordinating Unit has continued to be involved in innovative activities for "measured change" in vocational education. The use of ancillary monies for contractural research and developmental activities has been the major thrust of the unit. Over $4.5 million dollars of such activities has been generated, with the emphasis on action research at the secondary and post-secondary levels.

The Illinois RCU has played a significant role in leadership development for vocational education. Staff members have been instrumental in the development of the State Plan for the Administration of Vocational and Technical Education in Illinois, implementation of broad state interagency planning, and development of a significant EPDA leadership program. This role of "change agent" has had considerable impact on vocational education in Illinois - encouraging, stimulating and implementing exciting new programs. The RCU staff has been and continues to be in the forefront of the development of a new breed of "Vocational Imagineers."

The promise seen in the future is a greatly expanded, dynamic, and highly functioning unit. The Unit will continue to enter into contracts for the establishment of programs in the areas of research, experimentation, developmental, and exemplary activities.

Illinois is initiating changes to realize these long rang objectives. The reorganization effective August 1, 1969 reoriented the RCU to the now expanded service unit entitled Research and Development, with responsibilities for research, developmental, exemplary and planning activities. Discriminate selection of staff for the new unit is now in process. The Illinois Research and Development Unit, as a member of the Vocational and Technical Education Division of the Illinois Board of Vocational Education and Rehabilitation is rapidly moving ahead seeking answers and initiating programs to meet the needs of today's youth and adults that are in desperate need of relevant occupational education.

Introduction

The Illinois Research Coordinating Unit (RCU) was established prior to July 1, 1965 pursuant to the invitation of the U. S. Commissioner of Education to establish and operate Research Coordinating Units. Since the Illinois RCU's initial beginning, the Illinois Division of Vocational and Technical Education has placed added emphasis on the responsibilities of this Unit.

On August 1, 1969, the Illinois RCU was officially renamed the Illinois Research and Development Unit. The original RCU had functionally become an integral part of the Division of Vocational and Technical Education. Its present role and function is to serve as one of eight units organized to promote and establish educationally meaningful occupational programs for today's youth and adults. The State of Illinois fully accepts the challenges set forth by the provisions of the 1968 Amendments to the Vocational Education Act of 1963. The Research and Development Unit will truly play an integral part in reaching the goals set forth by this Act.

The Research and Development Unit proposes to promote and provide services to public or private agencies, organizations or institutions **"to develop and provide the kind of education today's society needs and tomorrow's society has every right to demand."**[1] Priorities for 1969-70 will find such activities as a state-wide program of coordinated research and dissemination activities, experimental projects for those individuals with special needs and handicaps, and programs providing relevant occupational guidance activities.

The present staff of the Research and Development Unit has been carefully selected to capitalize on the strengths of key individuals steeped in their commitments first to **"children and adults"** and secondly **"to serve occupational education for Illinois and our nation as a whole."** Some of the former members of the RCU have been reinstated in key roles within the structure of the State Department of Vocational and Technical Education to best serve the total state-wide effort for occupational education.

This report covers the time period commencing December 1, 1966 and termination on August 30, 1969. It summarizes the major accomplishments of the RCU during this period.

This is only the beginning_____.

[1] R. Louis Bright, Office of Education Support for Research and Related Activities, revised July, 1968

Organization and Operation

First Grant Period
June 15, 1965 - December 15, 1966

The opportunity to establish a Research Coordinating Unit was offered to all states in 1965. Subsequently, the Illinois RCU was one of twenty-four approved prior to July 1, 1965. The unit was conceived to work toward the following goals: 1) Assistance and support for increased and improved vocational research. 2) The identification and upgrading of research personnel. 3) The trial and evaluation of experimental curricular and instructional procedures. 4) A microcosmic concept of survey procedures relating to occupational opportunities and training needs. 5) Sound operational procedures for a Research and Development Unit. 6) A consideration of the advisability of providing informational and evaluative services for the State Board and other state agencies.[1]

A Final Report for the first grant period was completed in January of 1967 and is on file in the U. S. Office of Education (Project No. OE 5-85-126 - Occupational Research and Development Coordinating Unit - Final Report.)

Second Grant Period
December 15, 1966 - September 30, 1968

A second proposal was prepared in June, 1966, for continuation of the work from February 1, 1967 until June 30, 1968. The continuation proposal was extended through September 30, 1968. Activities and achievements during that period are included in an Interim Report (Project No. 6-3030; Grant No OEG-3-7-063030-2687 prepared in October, 1968, and on file with the U. S. Office of Education.)

Many areas of activities of the RCU were set forth in the original project proposal. These activities were research oriented and developmental in nature. The general objectives set forth in the continuation proposal were:

1. Continue to identify basic issues and problems facing vocational education and encourage research for possible problem solutions.

2. Coordinate occupational research and demonstration activities among educational, business, industrial, and labor agencies within the State result in optimum and efficient utilization of resources.

3. Stimulate and assist with research and experimental projects supported from ancillary funds.

4. Accumulate and abstract the results of research activities in a form suitable for extensive and regular dissemination.

5. Effectively evaluate the activities of the unit to develop a sound operation for continued service to vocational and technical education.

[1] V. E. Burgener, An Occupational Research and Development Unit for the State of Illinois (Illinois Board of Vocational Education and Rehabilitation, 1965.)

The primary thrust of the Illinois RCU during this time was establishment of a variety of developmental programs for experimenting and field testing innovative procedures. "Measured Change" could thus become an integral link between research and regularization.

Grant Extension Period
October 1, 1968 - August 30, 1969

The USOE Bureau of Research approved continuation of the Illinois RCU through September of 1969. Objectives outlined in the Continuation Proposal were to (1) identify vocational education issues and problems, (2) encourage stimulate, and assist with research, developmental, demonstration and experimental activities, (3) coordinate, design, and initiate vocational education research efforts, (4) survey contemporary data on emerging occupational trends and employment opportunities, (5) disseminate information, and (6) aid in the development of resource materials.

The procedures followed was an aggressive contractural research program designed to meet the objectives stated. During this period embracing Fiscal Years 1969 and 1970, major projects were cooperatively funded with universities, community colleges and local school districts. The chapter on results outlines in detail activities supported during that time by contractural agreement.

Emphasized was the total spectrum of research activities - a continuum from problem identification through experimentation, demonstration and implementation.

The Illinois RCU became a vital segment of the necessary linkage between federal, state and local education agencies in a comprehensive paradigm for vocational education research in the United States.

Continuation Under the State Plan

The Illinois State Plan for the Administration of Vocational and Technical Education in Illinois - September 1969 continues the Illinois RCU as the Research and Development Unit of the Division of Vocational and Technical Education. The unit is one of eight major administrative units in the new organization. Section 5.0 of Part I describes the program as follows:

5.0 Research and Training

In addition to the provisions in 1.0 and 1.0 of this part of the State Plan, the following special provisions apply to research and training supported with Federal funds under Part C of the Act.

Funds allotted to the States for the purposes of Part C of the Act shall be used for making grants to any college, university, local educational agency and other public or non-profit private agency or institution and entering into contracts with any private agency, organization or institution for the following:

(a) Research and training programs.

(b) Experimental, developmental or pilot programs developed by such institutions and agencies and designed to meet the special vocational needs of youth, particularly disadvantaged youth in economically depressed communities, as determined pursuant to 1.10C State Plan.

(c) The dissemination of information derived from the foregoing programs or from research and demonstrations in the field of vocational education.

State Plan requirements set forth in 3.26 and 3.27 of this Plan may also be applicable to research and training in vocational education assisted with Federal funds under Section 131 (b) of the Act.

5.1 State Research Coordination Unit

The Research Coordination Unit pursuant to Section 131 (b) of the Act is identified as the Research and Development Unit defined in 1.14-2 (f) and 1.14-3 of this Plan with duties and qualifications of staff defined in 1.35-3 (a) and 1.35-3 (b) of this Plan.

The coordinator of the Research and Development Unit will be the Director of the Illinois RCU. The unit is one of eight integral units of the State Board staff under the administration of the State Director. Staff of the unit shall be selected for expertise in developing research, developmental and exemplary projects.

5.2 Application Procedures

5.21 Submittal of Applications

Application for support is made by submitting the properly executed application form and the formal proposal to the Research and Development Unit of the State Board. (See Appendix - Contract Application).

(a) Applications will describe the nature, duration, purpose and plan of the project, the use to be made of the results in regular programs of vocational education, the qualifications of the personnel staff who will be responsible for the program or projects, a justification of the amount of grant or contract funds requested, the portion of the cost to be borne by the applicant, and such other pertinent information as the State Board may require.

(b) Applications will be executed and submitted by an individual duly authorized to act for the applicant.

5.22 Review of Applications

A review committee having permanent and ad hoc membership shall be established. The permanent membership will be representative of the State Board staff and members of the research community. The ad hoc membership may be vocational administrators, subject area specialists, teachers, and resource people from business, industry, labor and other agencies as the nature of the proposal indicates.

Applications will be reviewed in terms of the following pertinent factors:

(a) Relevance to priority areas in vocational education specified in the long-range program plan and to vocational education programs, services and activities described in the annual plan.

(b) Adequacy and competence of personnel designated to carry out the program or project.

(c) Adequacy of facilities.

(d) Reasonable cost estimates.

(e) Expected potential of the proposed program or project being made a part of the regular vocational education program.

(f) The expected potential for utilizing the results of the proposed programs or projects in exemplary or regular vocational education programs.

5.23 Action on Applications

The Director will

(a) approve the application in whole or in part, disapprove the application, or defer action on the application for such reasons as lack of funds or a need for further evaluation

(b) provide that any deferral or disapproval of an application will not preclude its consideration or resubmission

(c) notify the applicant in writing of the disposition of the application

(d) include, in the award letter for any State Board grant or contract, the approved budget and grant or contract conditions which the applicant will accept in accordance with State law.

5.3 Notification to the Commissioner

Within 15 days after the approval of a grant or contract under funds from Part C of the Act, the State Board shall forward to the Commissioner a copy of the approved proposal for which the grant or contract was made.

RESULTS

A brief description of the research and developmental projects which have been funded through the Illinois RCU from December 1, 1966 to August 30, 1969 are shown in this section. First is found a listing of project titles, associated institutions, projects numbers, and ancillary monies provided for each fiscal year. Following this list will be a brief description of each project. The final part of this section includes the reporting of all projects funded through the Division of Comprehensive and Vocational Education Research of the Department of Health, Education, and Welfare for the State of Illinois between July 1, 1964 and June 30, 1969.

Contractual Agreements

The staff of the Illinois RCU has encouraged, stimulated, and assisted with research and developmental projects on a contractual basis during the past grant period. The basic objective underlying all activities has been the enrichment of vocational education in Illinois. Funding on a contractual basis has been stressed through local educational agencies and other private profit and nonprofit agencies.

Research projects supported by ancillary monies were encouraged in the areas of occupational needs and trends, problems and issues of existing practices, policies and procedures, methods of instruction, evaluation techniques, developmental and longitudinal studies, follow-up studies, and other appropriate areas.

The developmental programs funded by ancillary monies were conceived and conducted in local public schools and community colleges in order to field test new ideas, concepts, and approaches to vocational instruction for youth and adults commensurate with current and projected needs and opportunities. It is hoped that a wide range of developmental activities were undertaken to meet varied needs, for diverse groups and age levels, and in wide ranges of new occupational areas.

The identification number, associated institution, title, and amount of ancillary monies allocated by fiscal year for each project is listed below. A summary of the state/federal funding by fiscal year is shown in Table 1. The total budgeted amount (state/federal and local support) for each fiscal year is also included. This figure is based on the fact that research projects were funded by ancillary monies at a level of 50% of the total budget and developmental projects were funded at 75% of the total budget.

Table 1. Summary of the state/federal funding by fiscal year

Fiscal Year	Ancillary Monies					Total Budgeted Amount
	Research		Developmental		Total	
	No.	Amount	No.	Amount		
1966	8	41,244	19	384,041	425,285	593,262
1967	14	67,264	22	650,974	718,238	1,000,323
1968	9	157,756	30	609,105	766,861	1,125,621
1969	10	161,662	25	520,616	682,278	1,015,743
1970	7	81,573	12	433,417	514,990	739,590
Total		509,499		2,598,153	3,107,652	4,473,539

RESEARCH PROJECTS

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
01-C/ U. of Ill.	Lake County Engineering Technician Need Study	1,466	1,256				2,722
02-B6 U. of Ill.	Curriculum Development in Eng. Tech.	17,569					17,569
06-D8 SIU	A Study of an Experimental and Dem. Project for Special Vocational of Dist. No. 5, Alexander Co.	1,846	17,761	42,780			62,387
08-C7 U. of Ill.	Development of World of Work Instructional Programs	7,547	11,409				18,956
17-C8 SIU	Evaluation of Illinois Post-High School Educational Programs in Agriculture	1,415	1,412	2,659			5,486
18-A6 U. of Ill.	A Study of the Developments, Trends, and Current Status of Practical Nursing in Illinois	4,293					4,293

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
19-A6 McLean Co.	A Feasibility Study of Jr. College Needs in McLean Co. and Adjacent Areas	2,982					2,982
20-A6 Lewistown H. S.	Follow-up of Fulton Co. Graduates of Selected Classes to Determine Implications for Vocational Guidance and Business and Office Ed.	4,126					4,126
22-A7 Streator	Summer Occupational Curriculum Planning Workshop		1,514				1,514
23-A7 U. of Ill.	Differential Costs of Curricula in Comprehensive Jr. Colleges		3,658				3,658
24-A7 Chicago	An Overview and Analysis of Factors Contributing to Present and Future Health Manpower Needs		3,259				3,259
25-A7 U. of Ill.	Development of Curriculum Guides for Integrated Programs of Home Economics at the Secondary Level		15,078				15,078

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
26-A7 Chicago City College	Development of the Public Service Program for Careers in the Public Agencies at all Levels of Gov't.		1,880				1,880
27-A7 Kane Co.	A Feasibility Study to Determine the Need and Justification for Establishing an Area Vocational High School in Kane County		1,218				1,218
28-A8 Chicago City College	Public Information to Assist in Recruitment for Occupational Programs			4,996			4,996
29-A7 Moline	Black Hawk College Occupational Survey		749				749
30-A7 SIU	Adjustments in Living which High School Graduates Face When Accepting Business Positions Away from their Parental Homes		3,478				3,478

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
31-A7 Villa Park	Computerization of Voc. Information for Guidance Use		1,952				1,952
32-B9 U. of Ill.	Vocational Horticulture Specialty Programs for Secondary Students			4,209	2,650		6,859
33-A7 St. Louis, Mo.	Labor Market Survey		3,000				3,000
34-C0 U. of Ill.	Enriching the Basic Skills of Students who are Academically, Socially, and Economically Disadvantaged Through Vocational Centered Laboratory Learning			7,150	10,230	4,888	22,268
35-B9 U. of Ill.	Development of Curriculum Guides for the Occupational Aspect			16,365	2,400		18,765
36-B9 U. of Ill.	The Use of Portable Video Tape Recorders and Microteaching techniques to Improve Instruction in Vocational-Technical Programs in Illinois. Phase II			29,357	53,706		83,063

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
37-A8 Bremen H. S.	Feasibility Study on an Area-Wide Vocational Education Facility			26,850	6,400		33,250
38-A8 Bremen H. S.	Educational Data Processing Planning Study No. 1			23,390	24,200		47,590
39-A9 SIU	Structured Occupational Internship for Experienced Vocational Teachers				9,196		9,196
40-A9 U. of Ill.	Changing Occupational Skills				16,717		16,717
41-A9 Chicago City College	A Need Survey and Feasibility Study of Local Paramedical Occupations				23,560	18,292	41,852
42-A9 EIU	An Innovative Graduate Education Program for Women in Vocational Home Economics Education				9,953		9,953

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
43-A0 WIU	Micro-teaching and Video-taping for Pre-service and In-service Education					27,700	27,700
44-A0 SIU	Surveys of Counselor Educators and Secondary School Counselors Concerning Graduate Preparation in Voc. Guidance and Guidance Information Services					17,897	17,897
45-A0 SIU	Vocational-Technical Training Study for Industry in the St. Louis Metropolitan Region					1,000	1,000
46-A0 Mattoon	Manpower and Training Survey					2,896	2,896
47-A0 Champaign	Preparedness Program					8,900	8,900

DEVELOPMENTAL PROJECTS

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00016-C7 Olive Branch	Retaining Potential Dropouts through Coop. Vocational Education	11,249	21,069				32,318
00018-C7 East Aurora	The Learning Center Program - Vocational Program for Slow Learners - Potential Dropouts	17,517	24,268				41,785
00023-C7 Chicago	Experimental Program in CWT	101,482	224,691				326,173
00024-D8 Chicago	Survey of Currently Employed Nurses Aides in Chicago	52,869	40,732	72,704			166,305
00025-A6 Decatur	Developing a Wage-Earning Program	3,192					3,192
00029-A6 W. Wilson Jr. College	Child Care Aide Project	1,087					1,087
00037-C7 Alton	Project for Slow Learning Boys in Alton Senior H. S.	5,897	6,404				12,301

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00052-D9 Marengo	Marengo Vocational Experimental Program	14,624	27,690	33,529	75,843		151,686
00053-B8 Urbana Jr.	Special Vocational Orientation Program for Slowlearners and Potential Dropouts		12,363	11,920			24,283
00055-B7 Evanston	Participating Occ. Experimental Program	15,504	28,810				44,314
00057-A6 Argo	Occupational Training Program	400					400
00058-D9 Mt. Prospect	A Work Orientation Program	34,587	101,750	100,761	3,418		240,516
00059-C8 Champaign	Program for Wage Earning Classes	21,788	32,626	58,954			113,368
00060-E0 Sterling	Vocational and Guidance Information through Television	12,894	8,598	19,502	16,437	22,613	80,044

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00062-D9 Cairo	Alexander County Adult Experimental Counseling and Guidance Program for the Disadvantaged	3,093	10,243	13,774	8,065		35,175
00063-C8 Evanston	Experimental Program in Electronic Data Processing	4,190	21,071	19,288			44,549
00064-B7 Glenbrook	Business Education and Ind. Education with Occ. Orientation	8,208	4,536				12,744
00065-A6 U. of Ill.	An Experimental Program to Prepare Voc-Tech Teachers for Lab Classes Designed for Dropout-Prone Youth	47,300					47,300
00066-C9 Orland Park	A Visual Communication Program for Slow Learners		9,041	14,557	21,340		44,938
00067-B7 Springfield	An Experimental Program in Vocational Education	4,119	5,967				10,086

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00068-C9 Carbondale	A Specific Program to Motivate Vocationally Oriented Students to Complete their High School Education		3,974	5,668	7,569		17,211
00069-D0 Peoria	Programs to Reach and Motivate Potential Dropouts		25,316	4,627	10,886	16,209	57,038
00070-D9 Urbana Sr. H. S.	Urbana Experimental Vocational Program	24,041	23,073	58,952	33,178		139,245
00071-B8 Woodland	Occupational Orientation Program for Potential Dropouts		7,582	16,327			28,909
00072-C9 Dupo	A Vocational Aerospace Studies Program		1,393	1,782	3,999		7,174
00073-A8 Charleston	A Vocational Administrative Unit			25,742			25,742

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00074-B8 Hanover	Hanover Experimental Vocational Education Program		9,777	14,981			24,758
00075-A8 Quincy	Work Experience Program for Dropout-prone Students			8,518			8,518
00076-A8 Decatur	An Occ. Program for the Potential Dropout			3,192			3,192
00077-B9 Chicago	Teacher Aide-Trainee Coop Training Program			10,701	16,555		27,256
00078-C0 Barrington	Career Development Program			44,363	72,302	53,929	170,594
00079-B9 Toledo	Vocational English			4,126	4,120		8,246
00080-B9 Warren	Conservation and Recreation Training			3,118	3,310		6,428

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00081-A8 Villa Park	Aerospace Program			12,217			12,217
00082-CO Warsaw	Enriching the Basic Scholastic Skills of Slow Learners and Underachievers			11,505	12,768	14,772	39,045
00083-CO Havana	Experimental Program in Vocational Education			9,781	10,442	9,825	30,048
00084-CO Villa Park	Computerization of Vocational Information for Guidance Use			7,858	78,138	14,809	234,805
00085-CO Cahokia	Aerospace Studies			5,550	19,016	23,229	55,538
00086-A8 East St. Louis	East St. Louis Health Careers Center Experimental Phase			11,872			11,872
00087-A8 Chrisman-Newman	Training for Gainful Employment in Child Care and Food			3,236			3,236

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00089-B0 Parkland College	Technical Mathematics				6,879	46,417	53,296
00090-B0 Evanston	Demonstration Workshop Series in Data Processing				3,079	8,535	11,614
00091-A9 Joliet	A Work Adjustment Training Program for High School Dropouts				34,491		34,491
00092-BO Libertyville	Joint Occupational Orientation Project				12,080	26,877	38,957
00093-A9 Chicago City College	Occupational Guidance Series				25,090		25,090
00094-A9 Marion	Adjustment for Special Need Vocational Youth				9,085		9,085
00095-B0 Carbondale	Delinquency Intervention Program in the Carbondale High School				20,247	48,612	68,859

Project No.	Title	State/Federal Funds					
		1966	1967	1968	1969	1970	Total
00096-A9 Mounds	A Functional Pre-Vocational Program for Vocational Handicapped Students in Eight High Schools located in JAMP Counties				12,279		
00097-A0 DeKalb	A Pilot Study in Teacher Education for In-service Industrial Teachers to Relate Contemporary Technological Practices to Industrial Education Content and Program Development					13,590	13,590

BRIEF DESCRIPTIONS OF RESEARCH AND DEVELOPMENTAL ACTIVITIES FOR FISCAL 1966-1970

The following pages contain, in capsule form, brief descriptions of the research and developmental projects funded during fiscal years 1966-1970.

The coding system illustrated and shown on the left of the project description provides information regarding the identification number of the project, the number of years it has been funded, and the last fiscal year of funding, i.e., 32-B9 refers to project number 32 which had been funded for two years (B) and was last funded during fiscal year 1969 (9).

RESEARCH PROJECTS

01–C7
U. of Ill.
Christy Murphy

LAKE COUNTY ENGINEERING TECHNICIAN NEED STUDY

A continued study of technician needs, basic economic factors, and educational implications in Lake County, Illinois.

02–B6
U. of Ill.
Jerry Dobrovolny

CURRICULUM DEVELOPMENT IN ENGINEERING TECHNOLOGY

A continued study to develop, revise, and implement a two-year, six quarter engineering technology program.

06–D8
S.I.U.
Ralph Gallington

A STUDY OF AN EXPERIMENTAL AND DEMONSTRATION PROJECT FOR SPECIAL VOCATIONAL STUDENTS OF DISTRICT NO. 5, ALEXANDER COUNTY

A study to determine if certain hypothetical remedial practices in vocational education retain potential high school dropouts.

08–C7
U. of Ill.
A. H. Krebs

DEVELOPMENT OF WORLD OF WORK INSTRUCTIONAL PROGRAMS

A study occupational knowledge of youth, the effect of occupational instructional programs, and an evaluation of a pilot instructional center.

17–C8
S.I.U.
Eugene S. Wood

EVALUATION OF ILLINOIS POST-HIGH SCHOOL EDUCATIONAL PROGRAMS IN AGRICULTURE

An evaluative study of fine existing post-high school programs in agriculture education in an effort to arrive at recommendations to strengthen present programs and provide guidelines for future programs.

18–A6
U. of Ill.
Robert Tomlinson

A STUDY OF THE DEVELOPMENTS, TRENDS, AND CURRENT STATUS OF PRACTICAL NURSING IN ILLINOIS

A study to collect and synthesize information necessary for the development of recruiting procedures, programs, curriculum innovations and improvements necessary for providing the quantity and quality of personnel necessary in practical nursing.

19–A6
McLean Co.
Ralph Arends

A FEASIBILITY STUDY OF JUNIOR COLLEGE NEEDS IN McLEAN COUNTY AND ADJACENT AREAS

A study to demonstrate the purpose of a comprehensive junior college program in (a) pre-college instruction, (b) terminal programs in general, occupational, semi-technical, or techni :al education, and (c) adult education.

20–A6
Lewistown
Lewis Belville

FOLLOW-UP OF FULTON COUNTY GRADUATES OF SELECTED CLASSES TO DETERMINE IMPLICATIONS FOR VOCATIONAL GUIDANCE AND BUSINESS AND OFFICE EDUCATION

The purpose of this study was to determine the probable training needs of students in office occupations with implications for guidance service and curriculum revision and development.

22–A7
Streator
Thomas Bryan

SUMMER OCCUPATIONAL CURRICULUM PLANNING WORKSHOP

Propose to organize a comprehensive vocational program for the orientation of 9th and 10th grade students planning to enter the Woodland Cooperative Education Program.

23–A7
U. of Ill.
Ernest Anderson

DIFFERENTIAL COSTS OF CURRICULA IN COMPREHENSIVE JUNIOR COLLEGES

This study was designed to find the relationship of the cost of special vocational and technical curricula of less than four years to the cost of general or liberal arts curricula leading to programs of study requiring four or more years of college study.

24–A7
Chicago
Joseph Rhea

AN OVERVIEW AND ANALYSIS OF FACTORS CONTRIBUTING TO PRESENT AND FUTURE HEALTH MANPOWER NEEDS

To provide an authoritative evaluation of current statistics, projections and reasoning expressed in current literature and studies of health manpower needs and resources and their relationship to vocational education for health occupations.

25–A7
U. of Ill.
Elizabeth Simpson

DEVELOPMENT OF CURRICULUM GUIDES FOR INTEGRATED PROGRAMS OF HOME ECONOMICS AT THE SECONDARY LEVEL

The purpose of this project was to develop curriculum guides based on a model for the total occupational aspects of Home Economics at the secondary level.

26–A7
Chicago City
College
Dr. John Gede

DEVELOPMENT OF THE PUBLIC SERVICE PROGRAM FOR CAREERS IN THE PUBLIC AGENCIES AT ALL LEVELS OF GOVERNMENT

The development of a public service program to prepare young men and women for careers in the public agencies at all levels of government.

27–A7
Kane County
R. B. Mades

A FEASIBILITY STUDY TO DETERMINE THE NEED AND JUSTIFICATION FOR ESTABLISHING AN AREA VOCATIONAL HIGH SCHOOL IN KANE COUNTY

The purpose of this study was to determine the need and justification for establishing an Area Vocational High School in Kane County, Illinois.

28–A8
Chicago City College
Dr. John Grede

PUBLIC INFORMATION TO ASSIST IN RECRUITMENT FOR OCCUPATIONAL PROGRAMS

This project was to develop a paid display advertising program in at least one of the metropolitan daily newspapers of Chicago. These advertisements will identify the occupational need, the job opportunities, the required training so that educational opportunities can be improved locally.

29–A7
Moline
Dr. Alban Reid

BLACK HAWK COLLEGE OCCUPATIONAL SURVEY

A survey to gather information and opinions from parents of children concerning long range plans for education and training so that educational opportunities can be improved locally.

30–A7
S.I.U.
Opal Rhodes

ADJUSTMENTS IN LIVING WHICH HIGH SCHOOL GRADUATES FACE WHEN ACCEPTING BUSINESS POSITIONS AWAY FROM THEIR PARENTAL HOMES

This project was a study designed to explore and identify adjustments in living which high school graduates face in businesses away from parental homes.

31–A7
Villa Park
JoAnn Harris

COMPUTERIZATION OF VOCATIONAL INFORMATION FOR GUIDANCE USE

To begin a project leading to utilization of computer technology in providing occupational guidance for students.

32–B9
U. of Ill.
Paul Hemp

VOCATIONAL HORTICULTURE SPECIALTY PROGRAMS FOR SECONDARY STUDENTS

A study to evaluate the curricula and procedures used in pilot programs of vocational horticulture speciality programs for secondary students.

33–A7
St. Louis, Mo.
Leroy Grossman

LABOR MARKET SURVEY

The study provides information about current and future labor requirements and determines the training needs to fulfill these requirements.

34–C0
U. of Ill.
Robert Walker

ENRICHING THE BASIC SKILLS OF STUDENTS WHO ARE ACADEMICALLY, SOCIALLY, AND ECONOMICALLY DISADVANTAGED THROUGH VOCATIONAL CENTERED LABORATORY LEARNING

The development and evaluation phase of a pilot program in agriculture for slow learners, underachievers, and potential drop-outs of Warsaw Community Unit No. 316.

35–B9
U. of Ill.
Eliz. Simpson

DEVELOPMENT OF CURRICULUM GUIDES FOR THE OCCUPATIONAL ASPECT

A project to develop curriculum guides for the occupational aspect of home economics at the secondary and post-high school levels.

36–B9
U. of Ill.
Henry Sredl

THE USE OF PORTABLE VIDEO TAPE RECORDERS AND MICRO-TEACHING TECHNIQUES TO IMPROVE INSTRUCTION IN VOCATIONAL-TECHNICAL PROGRAMS IN ILLINOIS. PHASE II

A pilot study in the use of portable video tape recorders and micro-teaching techniques to improve instruction in vocational-technical programs in Illinois, specifically in-service training in Area Vocational Schools and in vocational-technical programs in junior colleges.

37–A8
Bremen H. S.
Educational
Development Coop.
Wayne Shiffer

FEASIBILITY STUDY ON AN AREA-WIDE VOCATIONAL EDUCATION FACILITY

This study is designed to produce a multitude of answers for participating high schools in the South Cook County Cooperative pertaining to planning of area-wide vocational education. Emphasis is on kinds of facilities, types of regional schools to best serve students, financial cooperation.

38–A8
Bremen H. S.
Educational

EDUCATIONAL DATA PROCESSING PLANNING STUDY NO. 1

This proposal in Educational Data Processing is intended to assist participating high school districts in the Cooperative by providing tool areas in the curriculum designed to enhance identification and classification of potential dropouts, terminal students, programs of training in vocational education and subsequent creation of new designs in content and structure.

39–A9
S.I.U.
Thomas Stitt

STRUCTURED OCCUPATIONAL INTERNSHIP FOR EXPERIENCED VOCATIONAL TEACHERS

A project to establish and field test a model for providing structured occupational internship for experienced vocational teachers.

40–A9
U. of Ill.
Anna Mahaffey

CHANGING OCCUPATIONAL SKILLS

A study to determine occupational skills and requirements needed by office employees in order to efficiently prepare for employment due to technological developments in office equipment, changes in office procedures, and their impact on office education in the seventies.

41–A9
Chicago City Coll.
Crane Campus
John Robinson
Eliz. Seigel

A NEED SURVEY AND FEASIBILITY STUDY OF LOCAL PARAMEDICAL OCCUPATIONS

A need survey and feasibility study of area para-medical occupations to provide objective planning information for continued growth and development of a junior college hospital pilot program. Program materials and instructional techniques will be developed from daily anecdotal accounts, recorded and analyzed by basic medical core and clinical instructors.

42–A9
E.I.U.
Mary Swope

AN INNOVATIVE GRADUATE EDUCATION PROGRAM FOR WOMEN IN VOCATIONAL HOME ECONOMICS EDUCATION

Feasibility study to determine if colleges offering graduate education in vocational home economics would be interested in inter-institutional cooperation and the use of educational technology in offering graduate home economics to potential students.

43–A0
W.I.U.
Richard Nelson

MICRO-TEACHING AND VIDEO-TAPING FOR PRE-SERVICE AND IN-SERVICE EDUCATION

The purpose of the project is to investigate the feasibility of using video tape recordings to improve the training of student teachers primarily by supplying the college supervisor with a greater amount of significant information. These video tapes will be used as feed back mechanisms for self-appraisal and self-instruction by the student teacher.

44–A0
S.I.U.
Richard Bradley

SURVEYS OF COUNSELOR EDUCATORS AND SECONDARY SCHOOL COUNSELORS CONCERNING GRADUATE PREPARATION IN VOCATIONAL GUIDANCE AND GUIDANCE INFORMATION SERVICES

The research proposal encompasses surveys of two groups of counseling and guidance personnel within Illinois concerning preparation for educational and vocational guidance.

45–A0
S.I.U.
Charles James

VOCATIONAL-TECHNICAL TRAINING STUDY FOR INDUSTRY IN THE ST. LOUIS METROPOLITAN REGION

The purposes of the project are as follows: (a) to compile an inventory of all vocational training programs by individual skills and occupations offered in the St. Louis region (b) to measure the regions total capacity to train people in vocational-technical fields (c) to measure the number of students enrolled in vocational programs (d) to serve as a guide to the St. Louis metropolitan regions vocational-technical training institutions.

46–A0
Mattoon
Lake Land College
Carl Larson, Jr.

MANPOWER AND TRAINING SURVEY

This project is a survey of the manpower requirements of the business and industry in the Lake Land College District.

47–A0
Champaign
Parkland College
Philip Walker

PREPAREDNESS PROGRAM

This project is geared toward getting the educationally and economically disadvantaged young adult involved in career programs and to strengthen basic educational skills.

DEVELOPMENTAL PROJECTS

00016–C7
Olive Branch H. S.
Lavere Windhorst

RETAINING POTENTIAL DROPOUTS THROUGH COOP. VOCATIONAL EDUCATION

Continuing a cooperative vocational educational program for slow learners and school drop-outs in a rural, socioeconomic depressed area of racially mixed population.

00018–C7
East Aurora
Andrew J. Hook
David Helgager

THE LEARNING CENTER PROGRAM – VOCATIONAL PROGRAM FOR SLOW LEARNERS – POTENTIAL DROPOUTS

Remedial instruction for slow learners (grades 10-11) for basic skills in a special learning center combined with a work experience within the school with a primary emphasis on reading and computation.

00023–C7
Chicago Pub. Schools
John Craig

EXPERIMENTAL PROGRAM IN CWT

Continuing an occupational experience program for over-age under-achievers in elementary or high school to provide in-school vocational classes or cooperative on-the-job experiences. The program is being conducted in a total of 19 attendance centers.

00024–D8
Chicago Pub. Schools
Lucile Broadwell

SURVEY OF CURRENTLY EMPLOYED NURSE AIDES IN CHICAGO

A two-pronged project in the Health Occupations; one to provide short term instruction, primarily for adults, for cooks and food service workers and for health aides in the field of long term patient care; and second, to develop profiles of health occupations and to prepare curriculum for certain of these occupations.

00025–A6
Decatur
Wanda Turner

DEVELOPING A WAGE-EARNING PROGRAM

A two pronged program in food service beginning with high school juniors. Food Service I and II provided two semesters of pre-job training and gave students salable skills. As seniors, they entered the Food Service Cooperative Program in which they obtained on-the-job experience and related occupational information.

00029–A6
W. Wilson Jr. College
Charles Monroe

CHILD CARE AIDE PROJECT

This study was designed to train child care aides. The two year curriculum consisted of nursery school work, related courses, and general education courses. Follow-ups were used to determine student employability and achievement.

00037–C7
Alton
C. R. Wright
George Abner

PROJECT FOR SLOW LEARNING BOYS IN ALTON SENIOR H. S.

A continuing full day core program for slow learners under one teacher-coordinator including common learnings instruction, and job experience in service type occupations.

00052–C8
Marengo
E. C. Nichols

MARENGO VOCATIONAL EXPERIMENTAL PROGRAM

A program designed to encourage low ability students to complete high school utilizing a basic learnings core and a sheltered work shop for preparatory training leading to employment in semi-skilled or single skilled areas.

00053–B8
Urbana Jr. H. S.
Dr. R. G. Braun
Dr. W. G. Anderson

SPECIAL VOCATIONAL ORIENTATION PROGRAM FOR SLOWLEARNERS AND POTENTIAL DROPOUTS

Special orientation in common learnings for slow learners in J. H. S. (grades 7-8-9) along with sheltered workshop using mass production techniques for developing vocational awareness, job skills, and attitudinal competencies.

00055–B7
Evanston
Dr. Lloyd Michael
W. J. Bobkiewicz

PARTICIPATING OCC. EXPERIMENTAL PROGRAM

A cooperative program identified as "participating occupational experience" for slow learners and low ability students including an extended related class under the direction of a two-teacher team. Television video tapes will be prepared locally to augment instruction.

00057–A6
Argo
J. W. Lewis

OCCUPATIONAL TRAINING PROGRAM

A program designed to determine the effectiveness of occupational instruction and on-the-job training for low academic achievers.

00058–D9
Mt. Prospect
E. H. Gilbert
Warren Collier

SUMMER WORK PROGRAM FOR STUDENTS IN THE COCPERATIVE WORKING AGREEMENT PROGRAM

The summer phase of a work orientation project for underachievers and potential dropouts that involved special occupational orientation in regular subjects, a related class in occupational-technical curricula and remedial communication skill development, special counseling with students and parents, and vocational instruction in technical processes and manufacturing.

00059–C8
Champaign
Dr. E. H. Mellon
Duane Patton

PROGRAM FOR WAGE EARNING CLASSES

An over-all program combining various vocational subject areas using a team teaching approach to present commonalities of occupational information pertinent to securing and holding employment.

00060–E0
Sterling
Jack Watts

VOCATIONAL AND GUIDANCE INFORMATION THROUGH TELEVISION

Vocational guidance and occupational information for students through television-closed circuit and video tape.

00062–D9
Cairo
Grace Duff

ALEXANDER COUNTY ADULT EDUCATION EXPERIMENTAL COUNSELING AND GUIDANCE PROGRAM FOR THE DISADVANTAGED ADULT STUDENTS

An adult education experimental counseling and guidance program for the disadvantaged that includes screening, testing, counseling, and adult cooperative work experience.

00063–C8
Evanston
Dr. Lloyd Michael
Wm. G. Carpenter

EXPERIMENTAL PROGRAM IN ELECTRONIC DATA PROCESSING

A data processing/computer program for juniors and seniors in unit record keeping use of unit record equipment, and Computer Concepts I & II.

00064–B7
Glenbrook So. H. S.
Dr. Norman Haweeli
Laverne McMillion

BUSINESS EDUCATION AND INDUSTRIAL EDUCATION WITH OCCUPATIONAL ORIENTATION

A co-educational, occupationally oriented program for underachievers and potential dropouts through a cooperative effort by the business education and industrial education departments emphasizing basic skills in occupations related to the graphic arts.

00065–A6
U. of Ill.
Dr. Robt. Campbell

AN EXPERIMENTAL PROGRAM TO PREPARE VOC-TECH TEACHERS FOR LAB CLASSES DESIGNED FOR DROPOUT-PRONE YOUTH

Summer workshop (1966) for teachers of dropout prone youth involving a shop class in operation as a teaching laboratory and curriculum development to be tried by group using television video tape and closed circuit for observation and evaluation.

00066–C9
Orland Park
Pat Cote

A VISUAL COMMUNICATION PROGRAM FOR SLOW LEARNERS

A visual communications program for slow learners and potential dropouts involving business education, home economics, and industrial education.

00067–B7
Springfield
Dr. Mary Loken

AN EXPERIMENTAL PROGRAM IN VOCATIONAL EDUCATION

A summer school program to establish and experimental vocational experience and information enrichment program for handicapped students at junior high school level through inter-disciplinary approach involving basic and shop manipulative experiences.

00068–C9
Carbondale
Arthur Black
Paul Karber

A SPECIFIC PROGRAM TO MOTIVATE VOCATIONALLY ORIENTED STUDENTS TO COMPLETE THEIR HIGH SCHOOL EDUCATION

A project to motivate students to complete high school. A social worker will assist and advise the students through field trips, parental and community contacts and intra and extra class activities.

00069–D0
Peoria
Donald Serup

PROGRAM TO REACH AND MOTIVATE POTENTIAL DROPOUTS

A project to reach and motivate underprivileged boys who are potential dropouts and potential delinquents by capitalizing on their interest in automobiles and other mobile equipment. Training involves operation and service of the product.

00070–D9
Urbana Sr. H. S.
John Robertson

URBANA EXPERIMENTAL VOCATIONAL PROGRAM

A project to channel slow learners and potential dropouts into conventional, vocational, and occupational oriented classes with special emphasis on inter-disciplinary curriculum. An extension and follow-up of the Urbana Junior High School project.

00071–B8
Woodland
Thomas Bryan

OCCUPATIONAL ORIENTATION PROGRAM FOR POTENTIAL DROPOUTS

A continuing one-half day program in basic subject matter subjects in an occupational orientation program for potential school leavers. Reading, science and mathematics emphasized in relation to occupations.

00072–C9
Dupo
Wm. Reynolds

EXPERIMENTAL AEROSPACE OCCUPATION

A vocational aerospace studies program to explore the feasibility of offering aerospace instruction to high school students to fill jobs in this field.

00073--A8
Charleston
Charles Joley

A VOCATIONAL ADMINISTRATIVE UNIT

The purpose of this study was to organize a Vocational Administration Unit for 41 school districts which would determine the need for and provide quality vocational education programs.

00074–B8
Hanover
Ray Mensendike

HANOVER EXPERIMENTAL VOCATIONAL EDUCATION PROGRAM

A program designed to provide an effective secondary vocational education program for Hanover High School.

00075–A8
Quincy
Marvin H. Rull

WORK EXPERIENCE PROGRAM FOR DROPOUT-PRONE STUDENTS

A summer experimental program to provide the opportunity for drop-out prone students to participate in a paid work experience. It offered the possibility of eventual vocational training in some jobs commensurate with ability of the student.

00076–A8
Decatur
Deb Young

AN OCCUPATIONAL PROGRAM FOR THE POTENTIAL DROPOUT

An summer occupational program for the potential dropout and the educationally deprived. The project is a cooperative program funded through Title I, Special Education, Division of Vocational Rehabilitation and Vocational Education.

00077–B9
Chicago
Joseph Dixon
Laurie Ostrowiak

TEACHER AIDE-TRAINEE COOPERATIVE TRAINING PROGRAM

A training program for teacher aides involving high school juniors who devote one-half day to academic subjects and job related information and one-half day to on-the-job experience in an elementary school.

00078–C0
Barrington
Frank Lentz

CAREER DEVELOPMENT PROGRAM

A special vocational program for students who are severely underachieving in reading. Classroom experiences will be conducted in a learning center coordinating its activities with a vocational survey area consisting of various occupations.

00079–B9
Toledo
Cumberland H. S.
Harold Garner

VOCATIONAL ENGLISH

A vocational communications project to create the environment and methods through which non-college bound students can develop their communication skills individually.

00080–B9
Warren
Marlin Meyer

CONSERVATION AND RECREATION TRAINING

A conservation and training project for juniors and seniors consisting of an in-depth study and analyses of area natural resources. Study is enhanced with intensive field work and on-the-job experience in conservation and recreational areas.

00081–A8
Villa Park

AEROSPACE PROGRAM

To develop a basic vocationally oriented, high school course in aeronautics to prepare students for the additional training they will need to enter the field of aeronautics.

00082–C0
Warsaw
James Trotter

ENRICHING THE BASIC SCHOLASTIC SKILLS OF DISADVANTAGED YOUTH THROUGH VOCATIONAL-CENTERED LABORATORY LEARNING

A project in the fields of biological science and agriculture designed to enrich the basic scholastic skills of slow learners and underachievers through calssroom experiences and land laboratory.

00083–C0
Havana Com.
H. S.
Kenneth Weeks

EXPERIMENTAL PROGRAMS IN VOCATIONAL EDUCATION

An occupational exploration program utilizing demonstrations and discussions by local craftsmen to enhance the curriculum. The programserves underachievers, potential dropouts, and non-college bound students.

00084–C0
Villa Park
(Willowbrook
H. S.)
JoAnn Harris

COMPUTERIZED VOCATIONAL INFORMATION SYSTEM

CVIS provides occupational information in computerized data for student use. Over 450 occupations are listed. The permanent records of over 4,500 students are stored in the computer bank. The project is an organized presentation of current information individualized to the abilities and interests of each student.

00085–C0
East St. Louis
and Cahokia H. S.
Edward Blue

EXPERIMENTAL AEROSPACE PROGRAM

The project gives students knowledge of occupations in the aerospace industry. It includes repairing planes, operating radar, preparing flights, managing airports, etc. After the one year program the students are encouraged to seek further training in all areas of the aerospace industry.

00086–A8
East St. Louis
Vernon Leirer

EAST ST. LOUIS HEALTH CAREERS CENTER EXPERIMENTAL PHASE

This project was a cooperative venture of school district No. 189 and various health agencies in this area to acquaint students with the various health occupations and develop enough background knowledge in the student for entry into an occupation in the health field.

00087–A8
Chrisman-Newman
Cecil Smith

TRAINING FOR GAINFUL EMPLOYMENT IN CHILD CARE AND FOOD

This study was designed to develop, field test, and implement programs leading to gainful employment through homemaking curricula at the secondary level.

00089–B0
Parkland College
Champaign
Paul Thompson

TECHNICAL MATHEMATICS

A technical mathematics program providing instruction in basic math for high school juniors and seniors who are pursuing immediate employment or non-academic post-secondary education.

00090–B0
Evanston
Wm. Carpenter

DEMONSTRATION WORKSHOP SERIES IN DATA PROCESSING

A series of demonstration workshops to give administrators, Vocational counselors, and data processing teachers the technical background to establish data processing education in their schools.

00091–A9
Joliet
Robert Beach

A WORK ADJUSTMENT TRAINING PROGRAM FOR HIGH SCHOOL DROPOUTS

A program to entice high school dropouts to return to school to complete their educational experiences. The program, conducted in an educational center removed from the school setting, will provide on-the-job experiences, instruction in communicative and personnel management skills, and single skill training in welding, woodworking, and auto mechanics.

00092–B0
Libertyville
Paul Doescher

JOINT OCCUPATIONAL ORIENTATION PROJECT

A three phase program aimed at the child who is or will be the alienated, the dropout, the socially maladjusted, or the academically unmotivated. It will introduce him to occupational orientation in junior high school; expose him to secondary vocational programs in the tenth grade; and in completing the cycle, provide him with actual training in any one of the several secondary vocational programs.

00093–A9
Chicago City
College
TV College
Zigerell

OCCUPATIONAL GUIDANCE SERIES

The development of fifteen half-hour occupational guidance and counseling video tapes for use by secondary and post-secondary institutions and state agencies. The tapes will be designed for viewers who are enrolled in occupational programs in junior colleges, prospective students for such programs, dropouts, adult and non-adult unemployables, and general audiences. The series format will include an "open line" information service enabling viewers to call the host or a counselor for information regarding job opportunities and training programs.

00094–A9
Marion
Larry Vincent

ADJUSTMENT FOR SPECIAL NEED VOCATIONAL YOUTH

A demonstration project in special needs curriculum development conducted in a special center. Visitors to the center observe potential dropouts in academic classes stressing vocational preparedness and receive information about such aspects as student characteristics, curriculum materials, on-the-job experience, and methods of instruction.

00095–B0
Carbondale
Richard Pooley

DELINQUENCY INTERVENTION PROGRAM IN THE CARBONDALE HIGH SCHOOL. PHASE I

A project designed for delinquency intervention in Carbondale Community High School, using university graduate students as "Big Brother" type counselors to help effect behavioral change and career direction in the dropout-prone youth. The project will also concern itself with the training of graduate students for careers in corrections, rehabilitation, and education.

00096–A9
Mounds
Mary Ann Willis

A FUNCTIONAL PRE-VOCATIONAL PROGRAM FOR VOCATIONAL HANDICAPPED STUDENTS IN EIGHT HIGH SCHOOLS LOCATED IN JAMP COUNTIES

An initial "trial run" phase prior to the development of a functional pre-vocational program for vocationally handicapped students in eight rural high schools located in JAMP counties - (Johnson, Alexander, Massac, and Pulaski). This development stage will involve resource people from the counties, universities, and state government.

00097–A0
DeKalb

A PILOT STUDY IN TEACHER EDUCATION FOR IN-SERVICE INDUSTRIAL TEACHERS TO RELATE CONTEMPORARY TECHNOLOGICAL PRACTICES TO INDUSTRIAL EDUCATION CONTENT AND PROGRAM DEVELOPMENT

The purpose of this project is to provide the in-service teacher a flexible workshop learning situation in which he can acquire tools of operational mathematics and science including an opportunity to synthesize these tools with the technology of his special industrial education area. The teacher will be able to develop curricular and teaching materials appropriate to his personal teaching as well as school program needs.

DCVR Contracts

Between July 1, 1964 and June 30, 1969, the Division of Comprehensive and Vocational Education Research (DCVR) of the Department of Health, Education, and Welfare has funded 27 projects in the State of Illinois. The Illinois RCU has been very interested in projects through this agency.

For this reason, the Illinois RCU adopted the policy that all 4(c) proposals from local educational agencies must be submitted for review, evaluation, and approval by the Illinois State Board of Vocational Education and Rehabilitation prior to transmittal to the U.S. Commissioner. Other proposals may also be submitted for review and assistance. This procedure is for information and coordination and is in no way intended to restrict or minimize research activity or initiative. The following list includes the title, project

director, and institution associated with each of the funded projects.

Project Title	Project Director	Institution
Workshop for the Preparation of Home Economics Teachers to Teach Wage Earning Programs in Food Service	Anna Carol Fults	Southern Ill. Univ. Carbondale, Ill.
Upgrading of High School Drafting Teachers: An Eight-Week Summer Training Program to Upgrade Subject Matter Competencies of High School Drafting Teachers in Advanced Graphics, Statics, and Applied Mathematics	Jerry Dobrovolny	Univ. of Illinois Urbana, Illinois
A Curriculum Demonstration for Dropout-Prone Students (Two-Part Report)	Charles V. Matthews	Southern Ill. Univ. Carbondale, Ill.
The Classification of Educational Objectives, Psychomotor Domain	Elizabeth J. Simpson	Univ. of Illinois Urbana, Illinois
Curriculum Development Program for Preschool Teacher Aides	Naomi Naylor Marquerite L. Bittner	Southern Ill. Univ. Edwardsville, Ill.
National Seminars for Research in Vocational Education - 1965	William J. Schill	Univ. of Illinois Urbana, Illinois
High School Dropouts: Fate-Future-Identification	Ralph O. Gallington	Southern Ill. Univ. Carbondale, Ill.
A Curriculum Demonstration for Dropout-Prone Students	Charles V. Matthews	Southern Ill. Univ. Edwardsville, Ill.
An Investigation of the Training and Skill Requirements of Industrial Machinery Maintenance Workers (Vol. I & II)	Frank Lynn	Midwest Institute for Research & Training Chicago, Illinois
A Study in Communication between High School Teachers of Vocational Agriculture and Socio-Economically Disadvantaged Youth by the Use of the Semantic Differential	Lloyd J. Phipps	Univ. of Illinois Urbana, Illinois
A Study of the Aspirations of Married Women College Graduates	Phee Lyon Frank W. Miller	Northwestern Univ. Evanston, Ill.
An Exploratory Study of Knowledges on Child Development and Guidance Needed by Mothers and Workers in Occupations Related to Child Care	Ruth E. Whitmarsh	Univ. of Illinois Urbana, Illinois

Project Title	Project Director	Institution
University of Illinois Summer Institute for Teachers of Ornamental Horticulture in the Midwestern Section of the U. S.	Paul E. Hemp	Univ. of Illinois Urbana, Illinois
A Study of the Teaching of English in Selected British Secondary Schools	James R. Squire	Univ. of Illinois Urbana, Illinois
Sounds of Society: A Demonstration Program in Group Inquiry	B. J. Chandler Frederick D. Erickson	Northwestern Univ. Evanston, Illinois
Vocational-Educational Information Workshop for Rural Guidance Workers, August 1966	K. Norman Severinsen	Western Illinois Univ. Macomb, Illinois
A Study to Develop Instructional Materials for a Ninth and Tenth Grade World History Curriculum Integrating History and the Social Sciences	Edgar Bernstein	Univ. of Chicago Chicago, Illinois
The Life Cycle of an Adult Education Enterprise -- The Swarthmore Chautaugua	George J. Dillavou	Univ. of Chicago Chicago, Illinois
Vocational Education Occupational Research and Development Coordinating Unit	V. E. Burgener	Board of Vocational Education & Rehabilitation Springfield, Illinois
Prediction of Adult Educators' Attitudes Toward Institutional Changes	John Dale Apel	University of Chicago Chicago, Illinois
An Evaluation of a Counselor Education Program Designed for Prospective Elementary School Counselors Enrolled in 1965-66 NDEA Institute	Merle M. Ohlsen	University of Illinois Urbana, Illinois
Illinois Vocational Educational Occupational Research and Development Coordinating Unit	V. E. Burgener	Illinois State Board of Vocational Education Springfield, Illinois
A Pilot Project for Vocational Guidance Guidance in Economically Underdeveloped Areas	Carroll H. Miller	State Dept. of Education Springfield, Illinois
A Demonstration Training Program for Potential School Dropouts - A Service Station Training School for Dropout - Prone Students	Marvin H. Rull	Quincy Public Schools Quincy, Illinois

Project Title	Project Director	Institution
Regional Conferences on Education, Training, and Employment	Alva R. Dettrick	Research Council of the Great Cities Council for School Improvement Chicago, Illinois
Horological and Micro-Precision Project	Jerry Dobrobolny	Univ. of Illinois Urbana, Illinois
Concurrent Work-Education: Programs in the 50 States, 1965-66	William J. Schill	Univ. of Illinois

DISSEMINATION

The RCU realizes the importance of communication in the change process. In view of this, the RCU has established various means for informing the Division of Vocational and Technical Education and other state and local agencies of its activities and their purposes.

The Illinois RCU has, for the most part, divided its structured dissemination activities into conferences, informal meetings, and publications. One of the more effective means of dissemination has been the availability of information to the two VEXED Conferences (Vocational EXperimental EDucation). These conferences offered all concerned an opportunity to learn about developmental activities in the RCU and to hear about new developments in vocational rehabilitation and job preparation.

A RCU conference was sponsored in September, 1968, entitled "Making Vocational Education Research Relevant" to study the change processes with an inter-disciplinary approach. Over 100 researchers and/or administrators were invited from universities, junior colleges, and local schools in Illinois. The participants were charged with developing a matrix covering the total spectrum of research from basic inquiry through developmental activities. The activities were considered from a sociological, psychological, economic, and political science basis.

In another activity, designed specifically for State Staff, the RCU sponsored five informal Review Sessions throughout the state both in 1967 and in 1968. During these sessions, RCU project directors reported on the progress of their projects to the RCU and other staff members of the Division of Vocational and Technical Education. This also afforded the RCU an opportunity to relate to project directors new RCU philosophy or division policy concerning these projects and to "supervise" projects without on site visits.

Another form of feedback has been RCU involvement in staff mettings, a subcommittee of the State Board meeting, and State Board meetings. At these meetings, members of the RCU made presentations concerning recent RCU activities and answered questions about them.

The RCU has initiated a variety of methods for informing vocational educators of its ERIC services. In the process, it has also offered them several alternatives for gaining access to information on some 5000 - 6000 microfiche.

Generally, ERIC was offered as part of a total package including RCU publications and services provided by DOD and the Center in Wisconsin. At nearly every conference and similar meetings, information regarding ERIC was either distributed or explained through demonstration and oral presentation. In addition, the Illinois Vocational Newsletter, which reaches 7800 teachers and administrators, has carried occasional articles

about RCU ERIC services. The RCU was also able to inform educators about its ERIC services through casual telephone conversations, informal day to day discussions and letters.

Those individuals requesting information from RCU ERIC acquisitions, had three avenues of accession available to them:

- If they requested specific ERIC reports, they were immediately sent microfiche of the reports. Utilizing a reader at their institution, they could study the report and extract any information pertinent to their interest area.

- If they requested a search, that is, if they had no specified report in mind, they were sent copies of the abstract of each report selected from the search. From these abstracts they determined whether the report contained vital information concerning their topic. They could then request microfiche from the RCU library based on the abstracts of any report they selected. (Sending abstracts as a preliminary procedure avoided mailing the individual fiche which could be of immediate use to someone else.)

- If one so desired, he could visit the RCU and make a personalized search of RCU ERIC information. He would have at his immediate disposal a reader-printer and a copier for making copies of any page printed from the reader-printer.

All microfiche of reports were distributed on a loan basis, to be returned in three weeks from date of distribution. Thus far, people have been most cooperative in returning microfiche loaned them. A reader-printer and a copier for making multi-copies of printed pages from microfiche are available for duplicating all or parts of reports on microfiche. For those individuals who may not have a reader available, the RCU provides a special handviewer.

The RCU also publishes several publications designed to explain its activities and make available its services. (See appendix.)

Key to Tomorrow

Contains guidelines for developing proposals and explains purposes and activities of RCU. Distributed to local administrators, junior colleges, universities and other interested persons. Approximately 1500 copies have been distributed to date.

Newsbriefs

Written summaries, with pictures, of RCU Research and Developmental projects. Has been published twice and distributed to 5000 persons.

Abstracts of Research and Experimental Projects

Summaries of all RCU project reports which have been completed. Distributed upon request.

Available Publications

A listing of all publications available from the RCU. Mailed to all local

school administrators, universities, junior colleges, project directors, and other interested persons. Approximately 3000 have been distributed and 500 requests received

Listing of Approved Research and Experimental Projects

A listing, including short summaries, of each currently funded project. Available upon request and distributed at conferences. 500 - 700 copies distributed each year.

In addition to distribution of these publications, the RCU has also disseminated information about its projects through the Illinois Vocational Progress (a journal of the Illinois Vocational Association and Division of Vocational and Technical Education); the Illinois Vocational Newsletter; and Illinois Education (the journal of the Illinois Education Association).

All reports received from RCU funded projects are sent to the ERIC Clearinghouse for Vocational and Technical Education. RE, AIM, and ARM indexes, Wisconsin Center Bibliographies, microfiche files, and information concerning the ERIC Clearinghouse are available in the RCU office for use by vocational educators in the State.

EPDA RECRUITMENT AND TRAINING OF LEADERS FOR THE FIELD OF VOCATIONAL EDUCATION

Perceptive of the need for qualified leaders in the field of Vocational Education, the State of Illinois initiated a proposal to the U. S. Office of Education outlining a two year educational program to prepare vocational education leaders. This program was funded in Fiscal 1969. The program is designed to allow the participant one year of accredited study at a sponsoring university and one full year of work experience in the field. The training experiences are integrated primarily through small group seminars under the direction of the State Board of Vocational Education and Rehabilitation in cooperation with the sponsoring university. The intern conducts an intensive study of the emerging trends in legislation, new techniques, and population changes. The primary objective of the program is to provide Illinois with competent vocational leaders capable of developing and pursuing powerful new directions to vocational education.[1]

The Illinois RCU was responsible for conceiving the EPDA Proposal and was responsible for administering the project in its development.

The project is divided into two phases. The pilot phase started June 1, 1969 and ended September 30, 1969. The operating phase began October 1, 1969 and will end December 31, 1973.

With the development of the Illinois State Plan for Vocational Education, changes in the state organization made the administration of the project more feasible through the Professional and Curriculum Development Unit. The Project will have a major impact on Vocational-Technical Education in the State of Illinois.

[1]V.E. Burgener and William Rogge. Recruitment and Training of Leaders for the Field of Vocational Education. (Illinois Board of Vocational Education and Rehabilitation, 1968).

Conclusions and Implications

The Illinois RCU was orginally conceived as a prototype unit to initiate structure, policies and structure, policies and procedures for operating quality vocational programs. It has supplemented and expanded vocational programs by research, experimental and developmental activities and by coordination of state-wide research activities pertinent to vocational education.

The results have been an extensive, on-going program of innovative developmental procedures and methods leading to measured change in the vocational education curriculum; an upgrading of educational leadership through opportunities for "vocational imagineering"; the establishment of the RCU as a focal point and clearinghouse for vocational education research in Illinois; additional intra-agency and interorganizational coordination; and an improved system of dissemination of new ideas and research results.

It has been successful because it has grown from conception in June, 1965, through perception in 1966 and 1967 to comprehension in 1968 and 1969. The Illinois RCU has brought a new level of prestige to innovation in vocational education. It has been a rallying point for vocational researchers, experimenters, and change agents. It has caused soul searching review of existing programs and procedures. It has been an irritant to the stand-patters and abrasive to the status quo.

Public Law 90-576, "The Vocational Education Amendments of 1968," provides the ultimate evaluation of the RCU concept by including provisions for continued support of the State Research Coordinating Units. This Congressional endorsement is indicative of the influence of RCU's in their respective states.

THE RCU CONCEPT MAY BE THE MOST VIABLE, SIGNIFICANT, AND FAR-REACHING SINGLE MOVEMENT YET INITIATED BY THE U.S. OFFICE OF EDUCATION. THIS SIGNIFICANCE HAS IMPLICATIONS IN EDUCATION FAR BEYOND VOCATIONAL EDUCATION.

Significant Activities

The Honorable Roman C. Pucinski of Illinois in the House of Representatives commented:

> "The work of the Illinois Research Coordinating Unit is recognized as outstanding in the Nation. Illinois' commitment to research in vocational education undergirds the plans for the kind of innovation that will make the State truly responsive to the challenges inherent in the Vocational Education Amendments of 1968. The State's priorities in vocational education research are:
>
> First. Innovation of new programs emphasizing contemporary occupational needs.
> Second. Research activities designed to expedite total planning at local, regional, and State levels.
> Third. Improvement of competencies of personnel in research and developmental activities.
> Fourth. Implementation of a state-wide system of research activities in vocational education.
>
> A close liaison between the Illinois RCU and the Division of Comprehensive and Vocational Education of the National Center for Educational Research and Development, U.S.

Office of Education, has been a positive aspect of the very viable vocational education research and development program in Illinois."[1]

The Illinois RCU Director was one of three authors of the Illinois State Plan for 1969-70 and is presently Chairman of the 1970-71 Illinois State Plan Committee.

An RCU staff member served on the Planning Committee of two major conferences initiated by the Governor's Office of Human Resources. These were the "Governor's Conference on Manpower" and the "Governor's Conference on Vocational Education" held in 1969.

A significant proposal cooperatively supported by the Governor, Attorney General and Superintendent of Public Instruction in Illinois was conceived by staff of the RCU in the field of Police Science, Law Enforcement and Corrections. This was completed by RCU staff on leave and an RCU staff member as Special Advisor.

Support of the Illinois RCU since 1965 by funds from the USOE have totaled $218,375.56. This moderate investment over a four-year span has generated over $4.5 million of contractural research and development activities in Illinois.

A nationally significant proposal for developing leaders in the field of vocational education was presented by the Illinois RCU and funded through EPDA monies.

Implications for the Future

The Research and Development Unit (originally funded as the Illinois RCU) of the Vocational and Technical Education Division promises to be an expanded, dynamic, and highly functioning unit designed to provide services in Research, Developmental, Exemplary and Planning activities. An aggressive continuation of contractural activities utilizing ancillary, research and exemplary funds will be emphasized.

The role of the Research and Development Unit as a "change agent" for innovative activities in vocational education will continue to have a significant influence on meeting manpower and individual needs in Illinois as mandated by Congress.

[1]Hon. Roman C. Pucinski, Illinois Charts a New Approach to Vocational Education (Congressional Record, December 29, 1969).